

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 4239-66646		FOR FURTHER ACTION		eation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5		
International application No. PCT/US03/28282		International filing date (day/mon 09 September 2003 (09.09.2003)	th/year)	(Earliest) Priority Date (day/month/year) 10 September 2002 (10.09.2002)		
Applicant THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.						
This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.						
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.						
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:						
	contained in the international application in written form.					
	filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.					
2.	Certain claims were found unsearchable (See Box I).					
3.	Unity of invention is lacking (See Box II).					
4. With r	4. With regard to the title,					
	the text is approved as sub-	•				
	the text has been established	d by this Authority to read as follo	ws:			
5. With regard to the abstract,						
	the text is approved as submitted by the applicant.					
	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
6. The figure of the drawings to be published with the abstract is Figure No						
	as suggested by the applica			None of the figures		
	because the applicant failed	l to suggest a figure.				
because this figure better characterizes the invention.						
Form DCT/(CA/210/Gest shoot) /fully 1000)						

Form PCT/ISA/210 (first sheet) (July 1998)





International application No.

PCT/US03/28282

A. CLASSIFICATION OF SUBJECT MATTER						
IPC(7) : A01N 43/16 US CL : 514/456						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols)						
U.S.: 514/456						
and the fields controlled						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (nar	ne of data base and, where practicable, search terms used)					
Registry, Medline, caplus, Biosis, Uspatfull						
·						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category * Citation of document, with indication, where a	ppropriate, of the relevant passages Relevant to claim No.					
A Abstract of TAGASHIRA et al., "Inhibition by hop	bract polyphenols of cellular 1-64					
adherence and water insoluble glucan synthesis of r	mutans streptococci" Biosci.					
Biotechnol. Biochem., 1997, Vol. 61, No. 2, pages	s 332-335. Abstract					
1						
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	E a					
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Further documents are listed in the continuation of Box C.	See patent family annex.					
Special categories of cited documents:	"T" later document published after the international filing date or priority					
	date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
"A" document defining the general state of the art which is not considered to be of particular relevance						
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step					
	when the document is taken alone					
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as	"Y" document of particular relevance; the claimed invention cannot be					
specified)	considered to involve an inventive step when the document is					
"O" document referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art					
	"&" document member of the same patent family					
"P" document published prior to the international filing date but later than the priority date claimed	a tacture inclined of the same posters ranny					
Date of the actual completion of the international search	Date of mailing of the international search report					
Bate of the actual completion of the international season	15 IIIN 2004					
31 May 2004 (31.05.2004)	200011					
Name and mailing address of the ISA/US	Authorized officer					
Mail Stop PCT, Attn: ISA/US	In the standard of the standar					
Commissioner for Patents P.O. Box 1450	Telephone No. 571/272-1600					
Alexandria, Virginia 22313-1450						

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Form PCT/ISA/210 (second sheet) (July 1998)